



FEMA



Prepared by
Brian Hoeth

FEMA Region 6 Weather Threat Briefing

Thursday, October 4, 2018

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Summary of the Upcoming Week



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Today

- Isolated strong to severe storms possible over the **TX South Plains** into **SE NM**.
- Isolated heavy rain possible over the **TX South Plains** and **NE OK**.

Friday

- Isolated strong to severe storms and heavy rain possible over **W OK** into the **TX Panhandle**.

Saturday - Monday

- Areas of heavy rain/flash flooding possible each day over much of **OK** into portions of **N** and **W TX**.
- Isolated strong to severe storms possible **Saturday** for **NW** and **W TX** into **SE NM** and **SW OK**.
- A few severe storms possible **Sunday** for the **TX/OK Panhandles** into extreme **W OK** and **NW TX**.

River Flood Status

- Water will continue to drain from the **Nueces River** as moderate flooding continues for a few more days.

Tropical Outlook

- Hurricane **Leslie** in the **Central Atlantic** will have no impacts to **FEMA 6**.
- A broad area of low pressure over a portion of **Central America** and the western **Caribbean Sea** may have some slow development this weekend into early next week while it drifts across the **NW Caribbean Sea** and the southern **Gulf of Mexico**.
 - Formation chance through 48 hours...low...near 0%
 - Formation chance through 5 days...low...30%
- In the **Eastern Pacific**, Hurricane **Sergio** is forecast to move westward the next 5 days and not have any impacts to **FEMA 6**.
- A broad areas of low pressure over the extreme **Eastern Pacific** may have some slow development the next several days as it drifts northward & northwestward near the west coast of **Central America**. No impacts to **FEMA Region 6** in the next 5 days.
 - Formation chance through 48 hours...low...10%
 - Formation chance through 5 days...low...30%

FEMA Region 6 Threat Matrix

Oct 4, 2018 – Oct 8, 2018



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DAY / THREAT	THU	FRI	SAT	SUN	MON
Severe Storms	TX South Plains, SE NM	W OK, TX Panhandle	SW OK, NW & WTX, SE NM	TX/OK Panhandles, W OK, NW TX	
Heavy Rain / Flash Flooding	NE OK, TX South Plains	W OK, TX Panhandle	OK, NW & WTX	OK, NW & WTX	OK, NW/N-Central/WTX
Fire Weather					
Tropical Weather					
River Flooding	Nueces River (S TX)	Nueces River (S TX)	Nueces River (S TX)	Nueces River (S TX)	Nueces River (S TX)

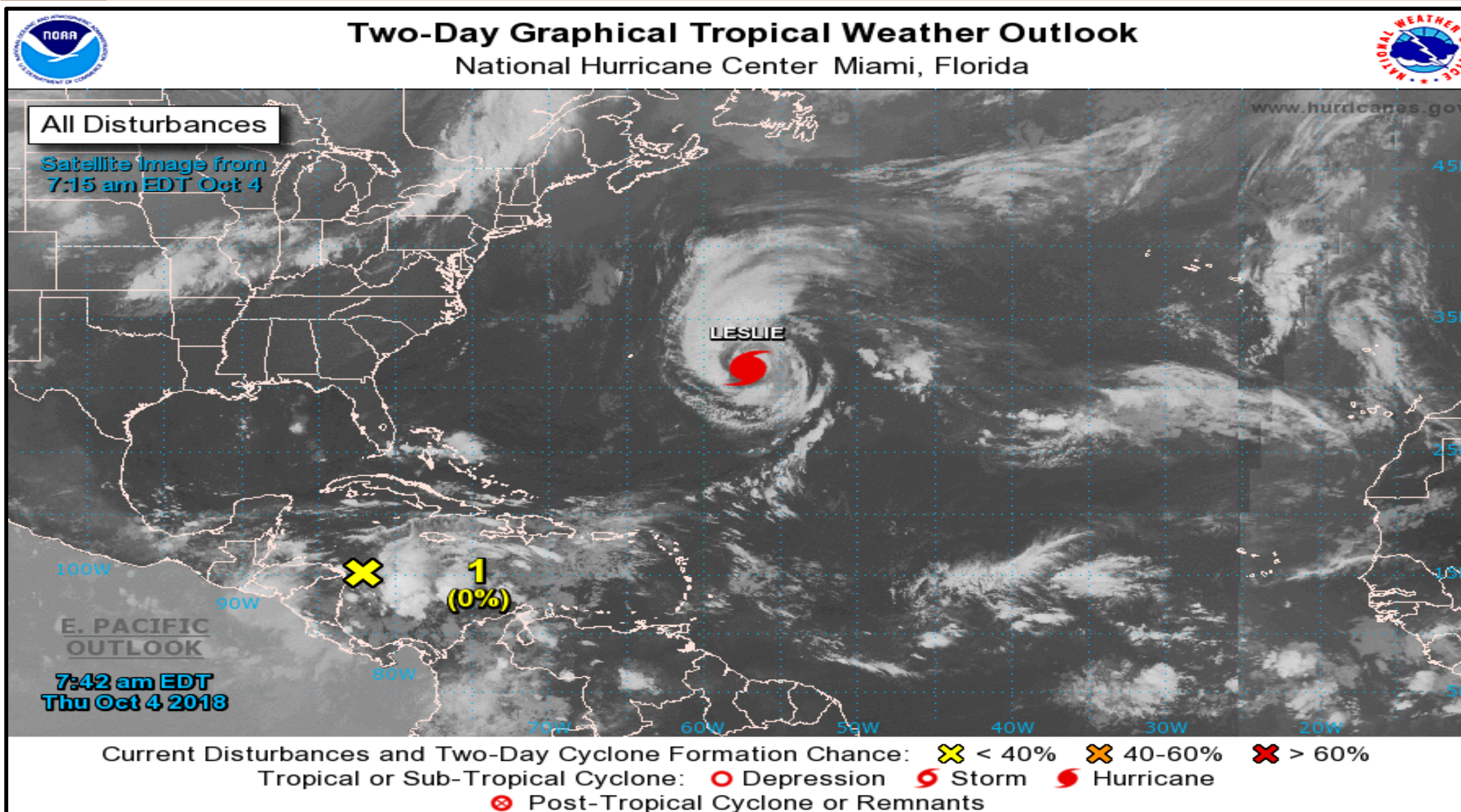
	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

**Threat levels are based on FEMA Region 6 criteria.
State or local threat level criteria may differ.*
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

Tropical Weather Outlook – Atlantic/Gulf



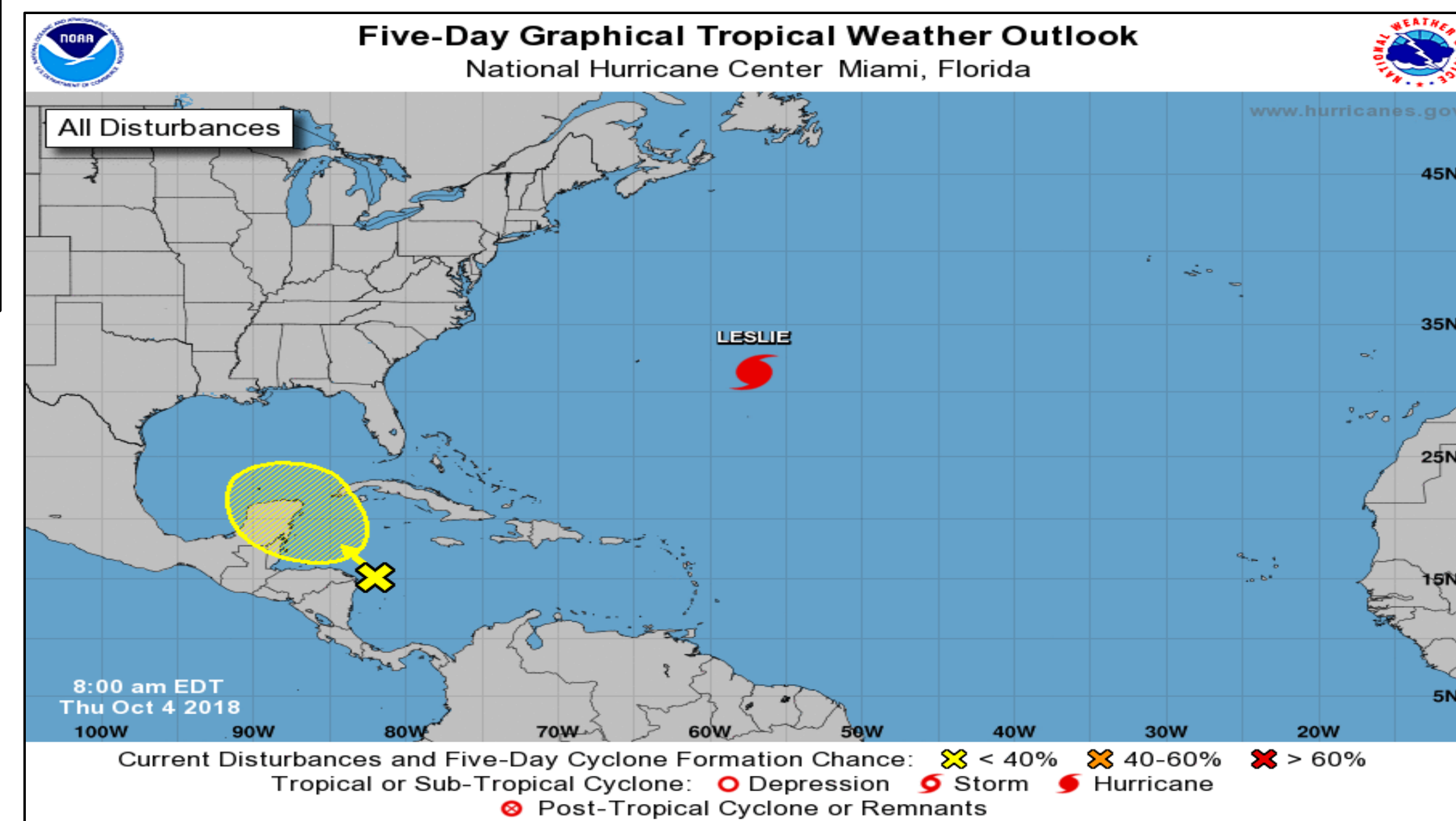
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See next slide for forecast information on Hurricane Leslie.

A large cyclonic gyre, defined by a broad area of low pressure typical of this time of the year, covers a portion of Central America and the western Caribbean Sea and is producing an extensive area of disorganized clouds and thunderstorms. While surface pressures are relatively low in the area, upper-level winds are currently not favorable for tropical cyclone formation. Environmental conditions could become less hostile this weekend and early next week, allowing for some slow development as the system drifts northwestward across the northwestern Caribbean Sea and the southern Gulf of Mexico.

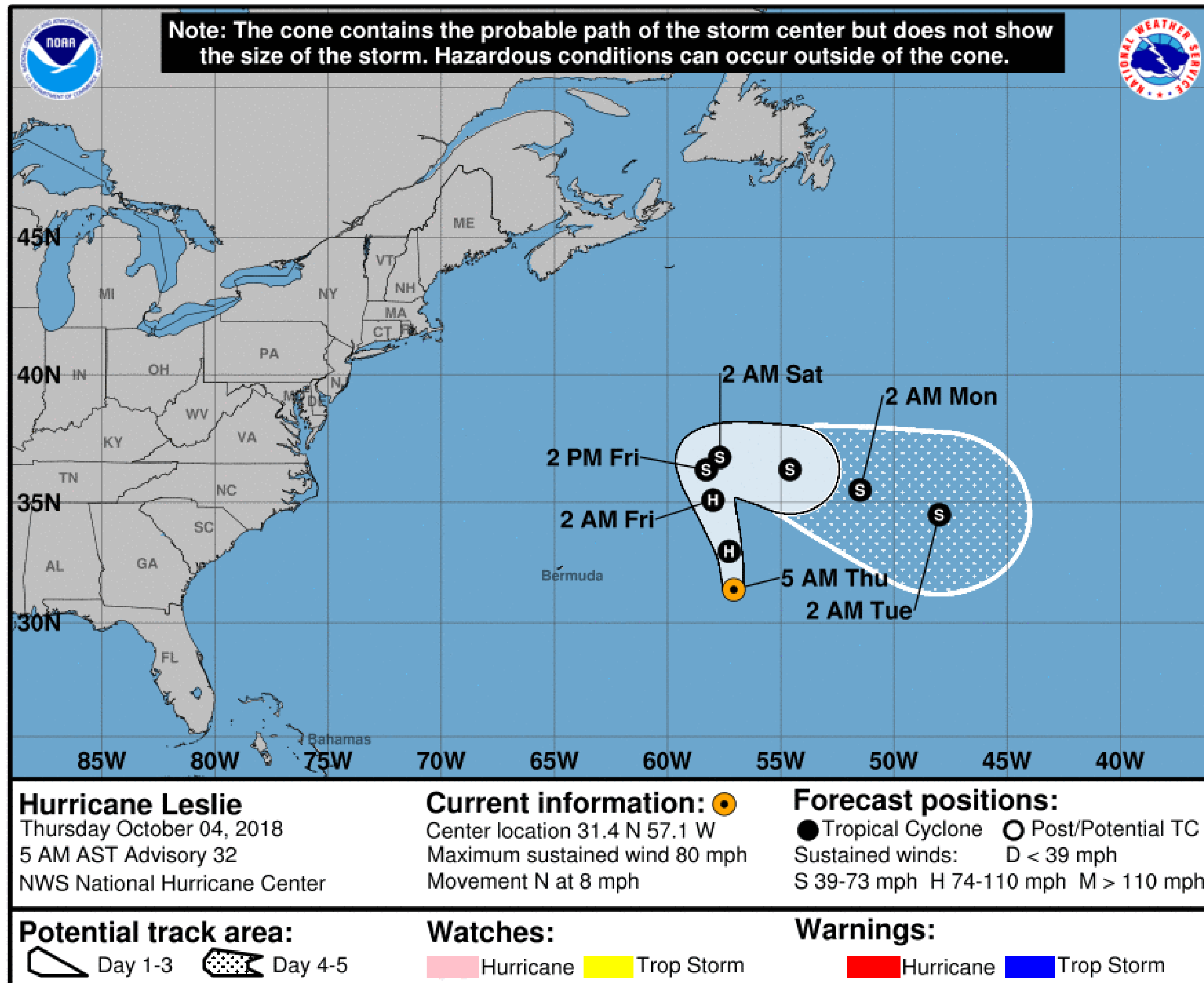
- Formation chance through 48 hours...low...near 0%
- Formation chance through 5 days...low...30%



Hurricane Leslie



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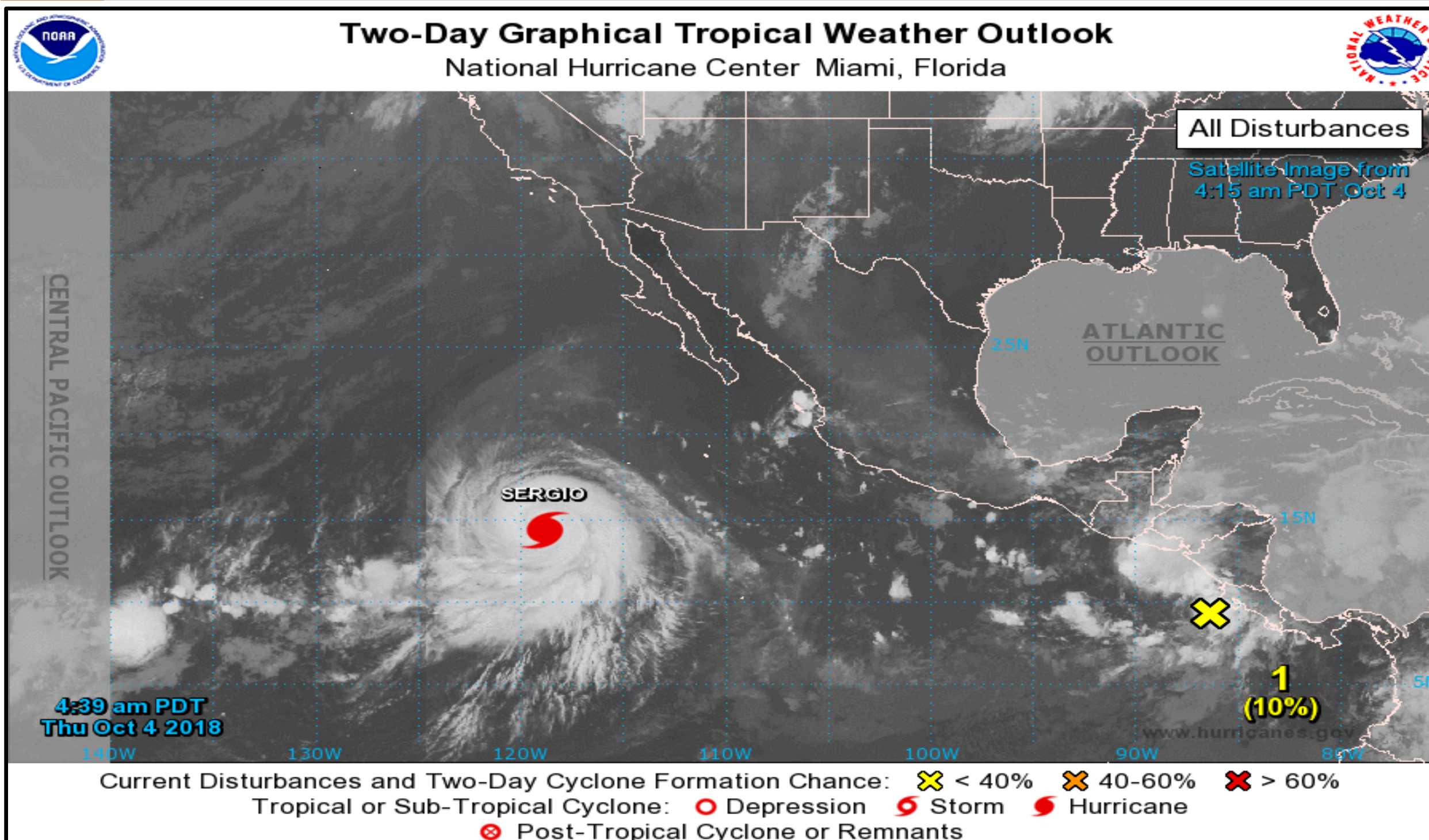
Hurricane Leslie is expected to meander over the Central Atlantic for much of this week.

No impacts to FEMA 6 are expected.

Tropical Weather Outlook – Pacific



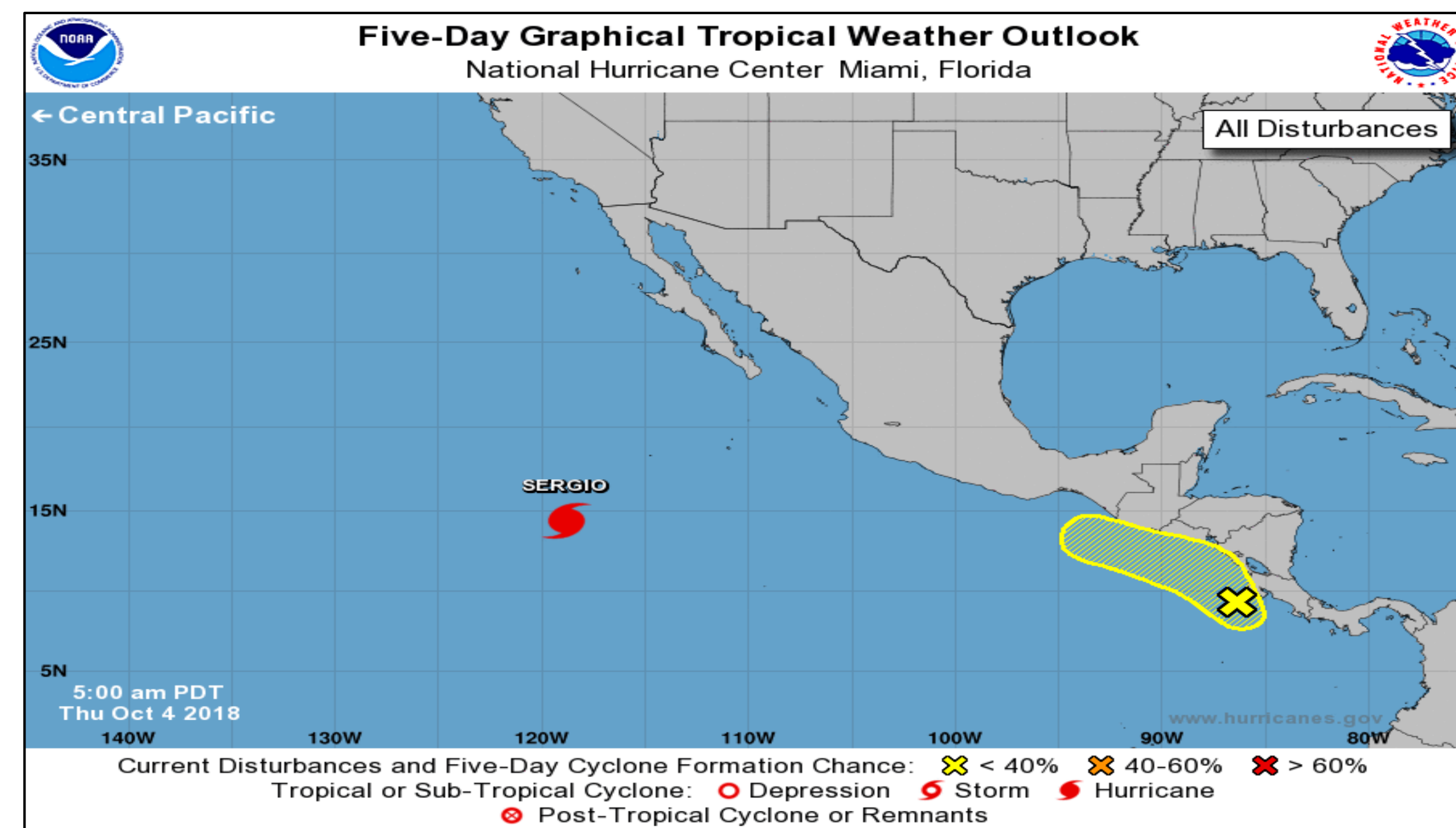
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A large area of disorganized showers and thunderstorms located over portions of Central America and the extreme eastern Pacific is associated with a broad area of low pressure. Some slow development of this system is possible over the next several days as the low drifts northward and northwestward near Central America. Regardless of development, heavy rains could cause flash floods and mudslides in mountainous areas of western Costa Rica, Nicaragua, Honduras, El Salvador and Guatemala through early next week.

- Formation chance through 48 hours...low...10 percent.
- Formation chance through 5 days...low...30 percent.

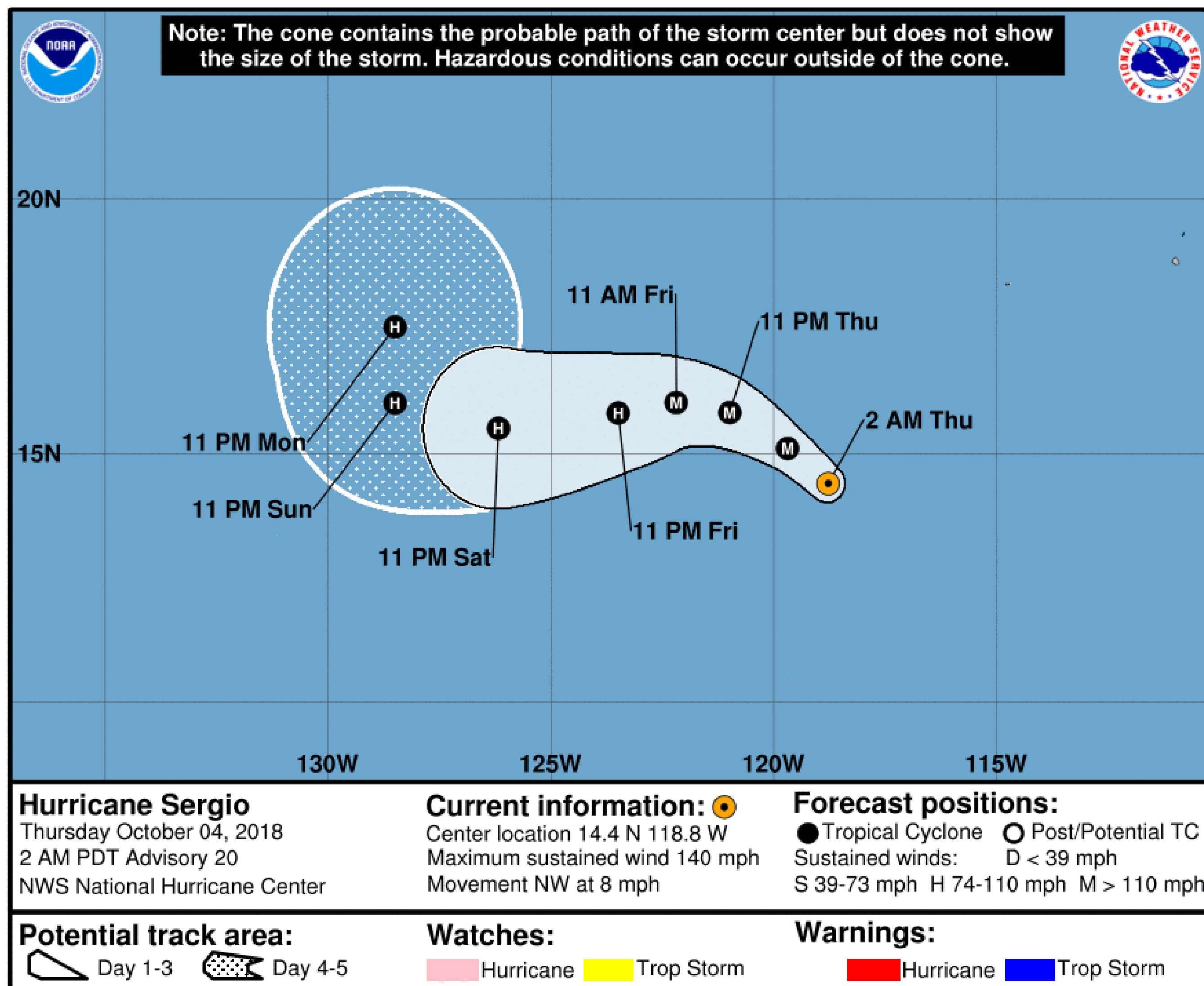
See next slide for forecast information on Hurricane Sergio.



Hurricane Sergio



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Hurricane Sergio is expected to move westward for much of this week.

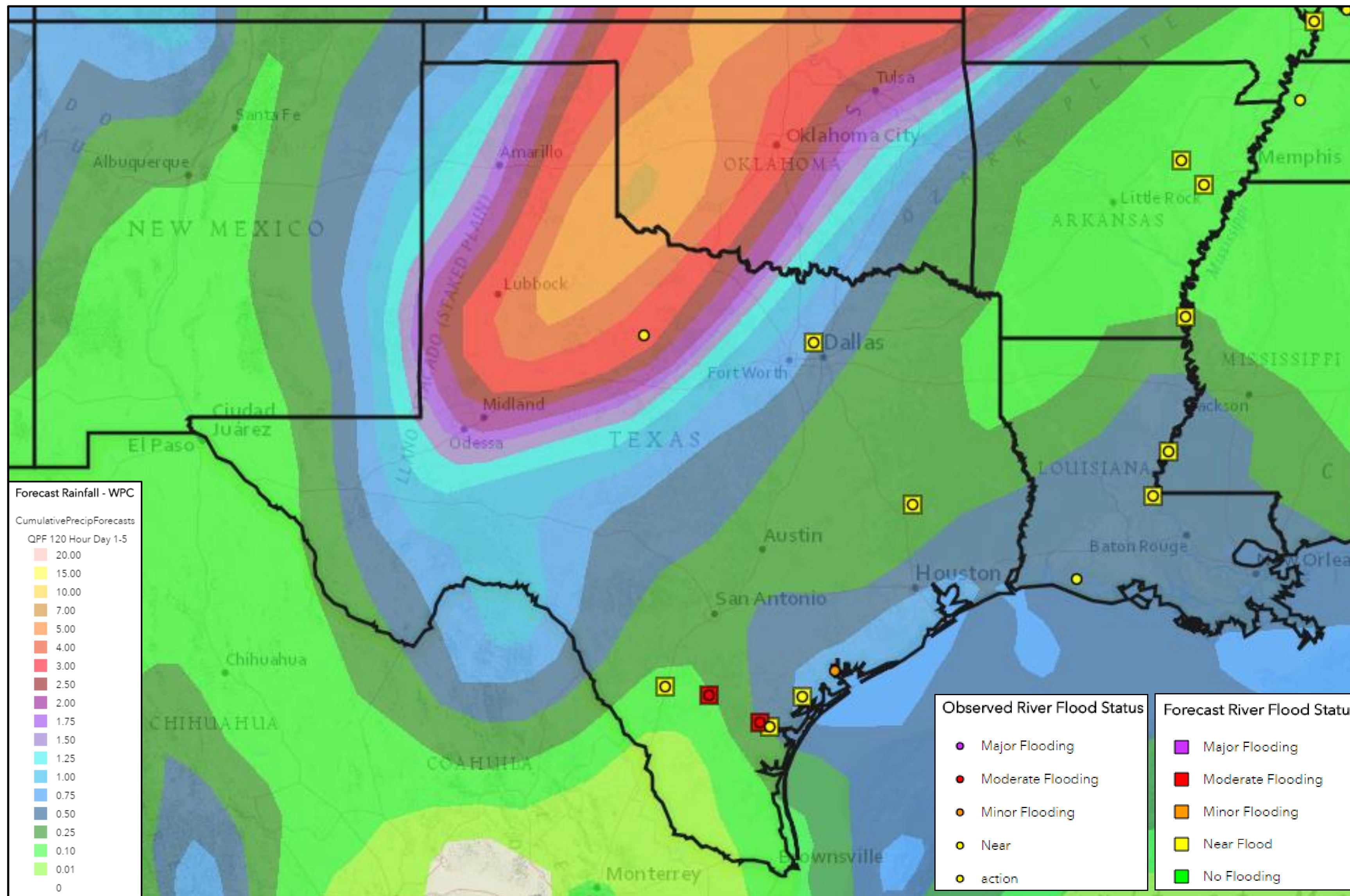
No impacts to FEMA 6 are expected.

5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Water will continue to drain from the Nueces River in South TX as moderate flooding continues for a few more days.

IMPACTS

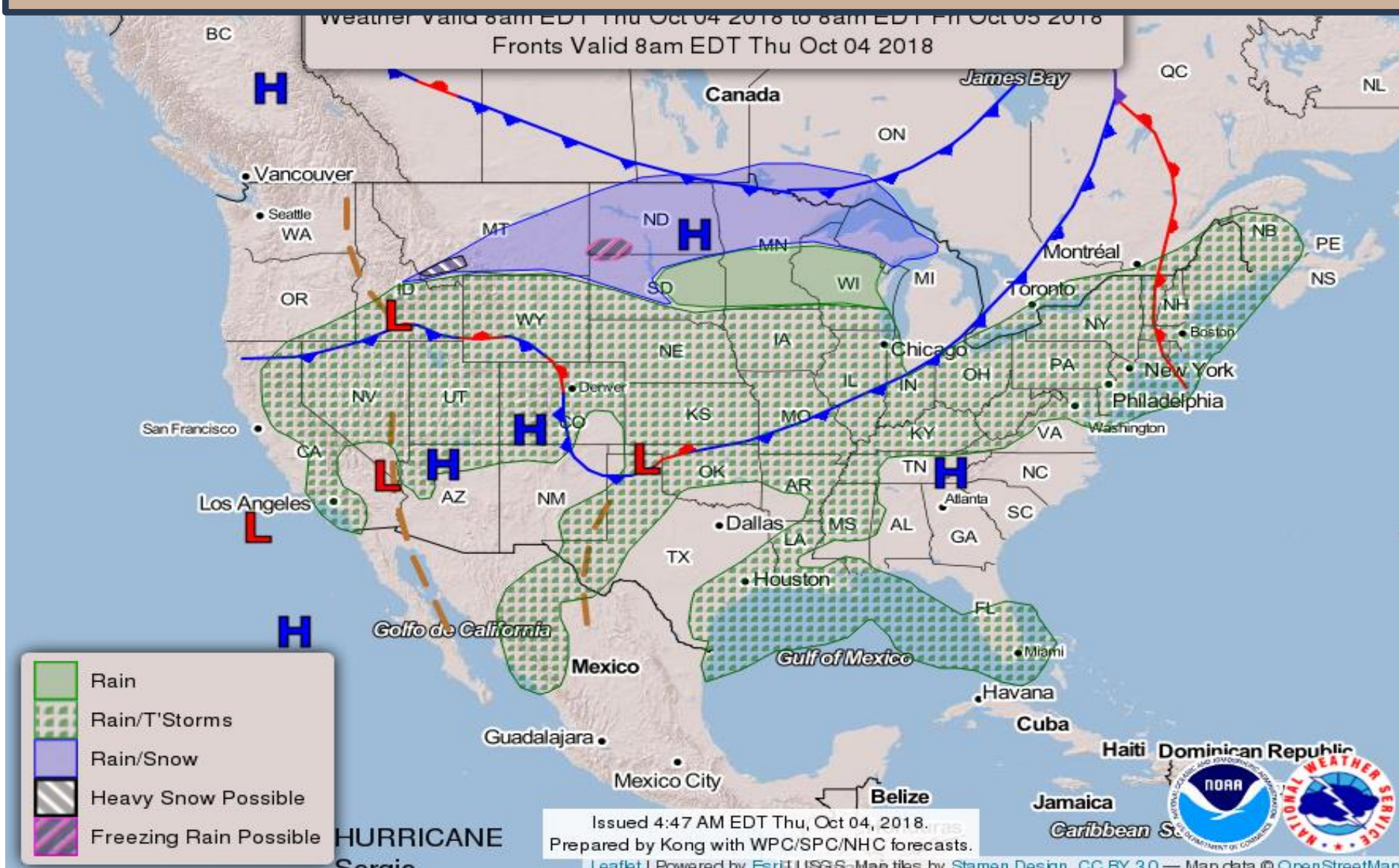
Downstream of Lake Corpus, releases are high enough to cut off low water crossings and bridges near homes in Calallen. Caution driving near the river in these areas Northwest of Corpus Christi.

Today's Weather

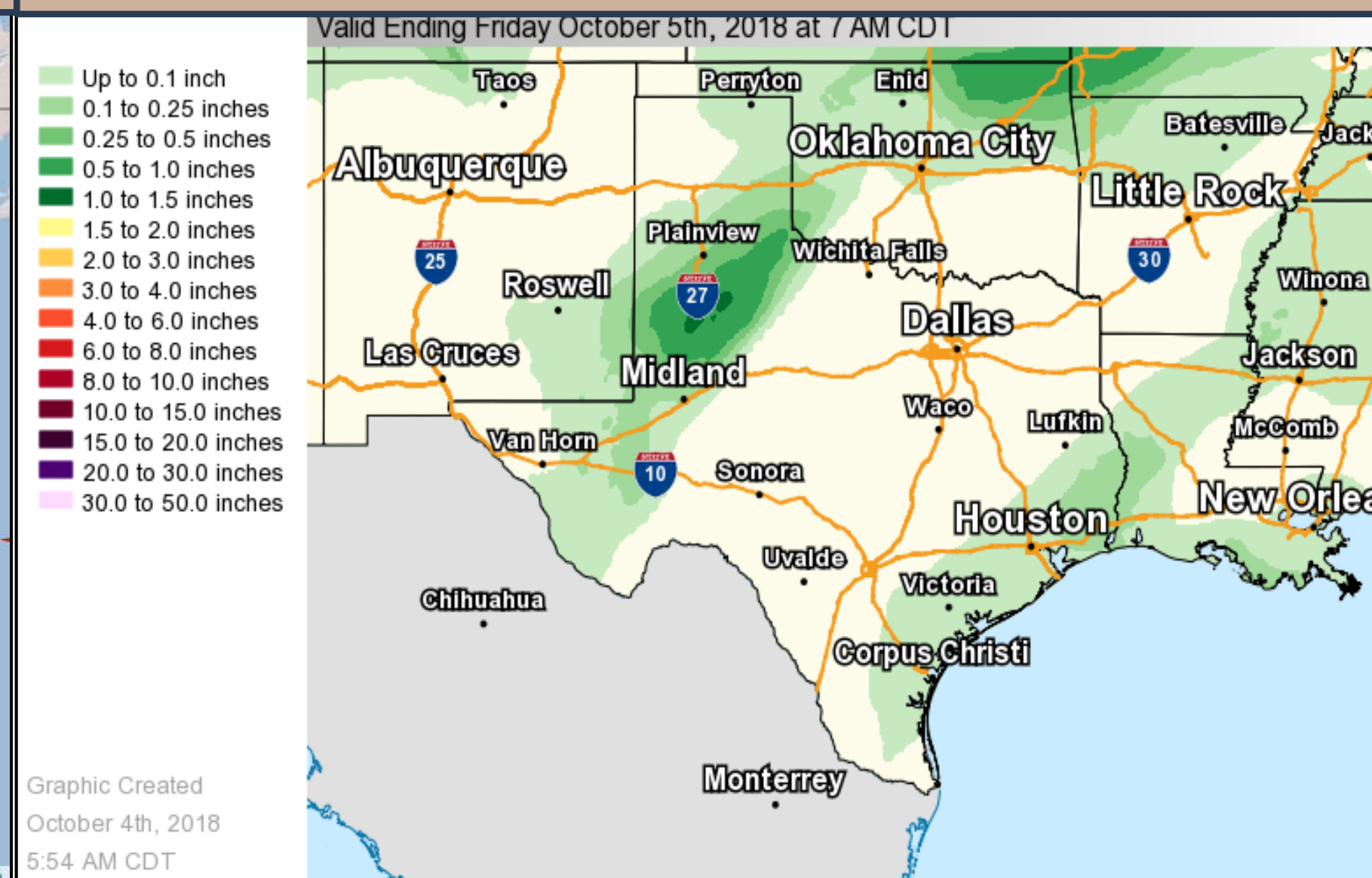


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Forecast Chart



Forecast Rainfall

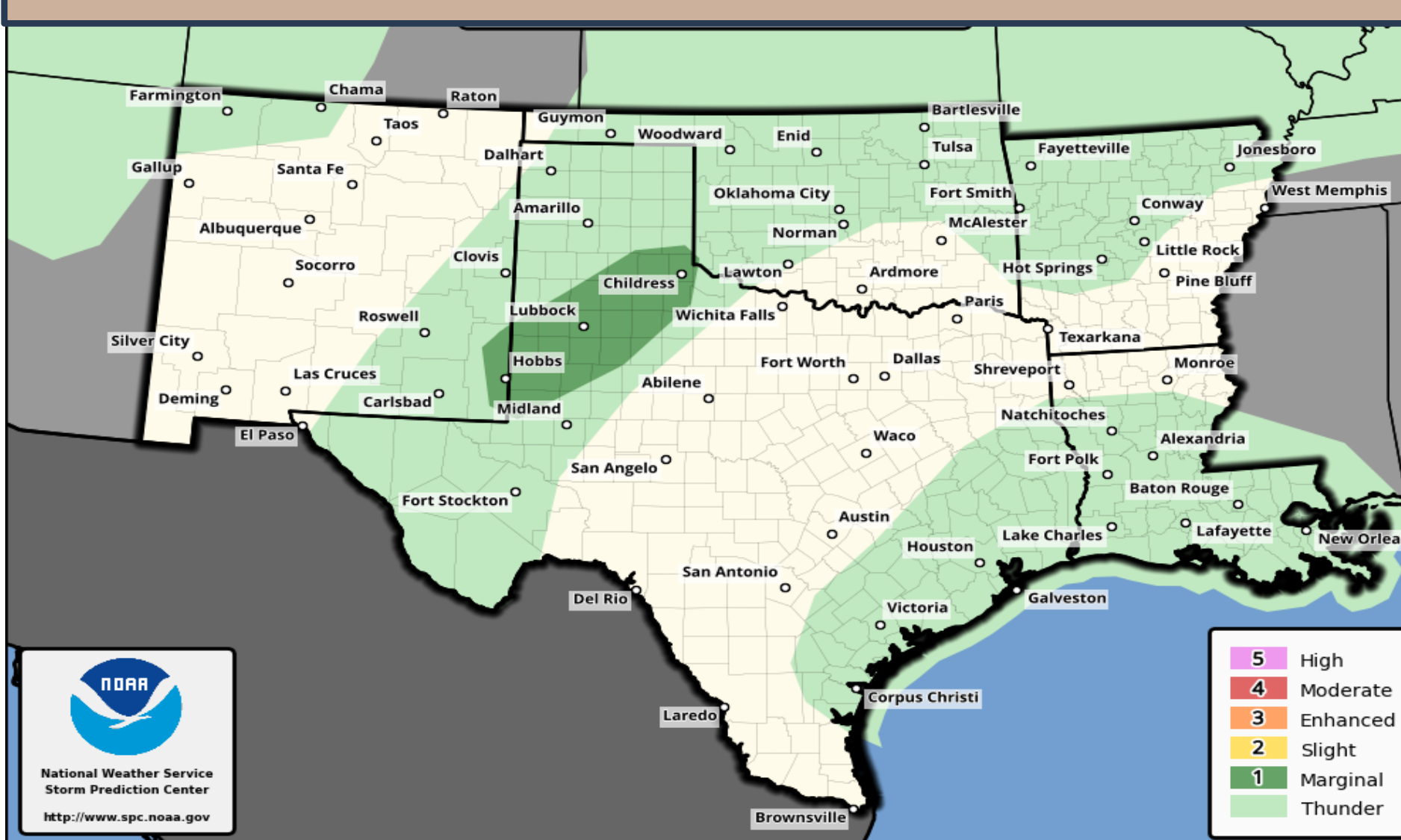


Isolated strong to severe storms possible in the TX South Plains into SE NM late this afternoon and evening.

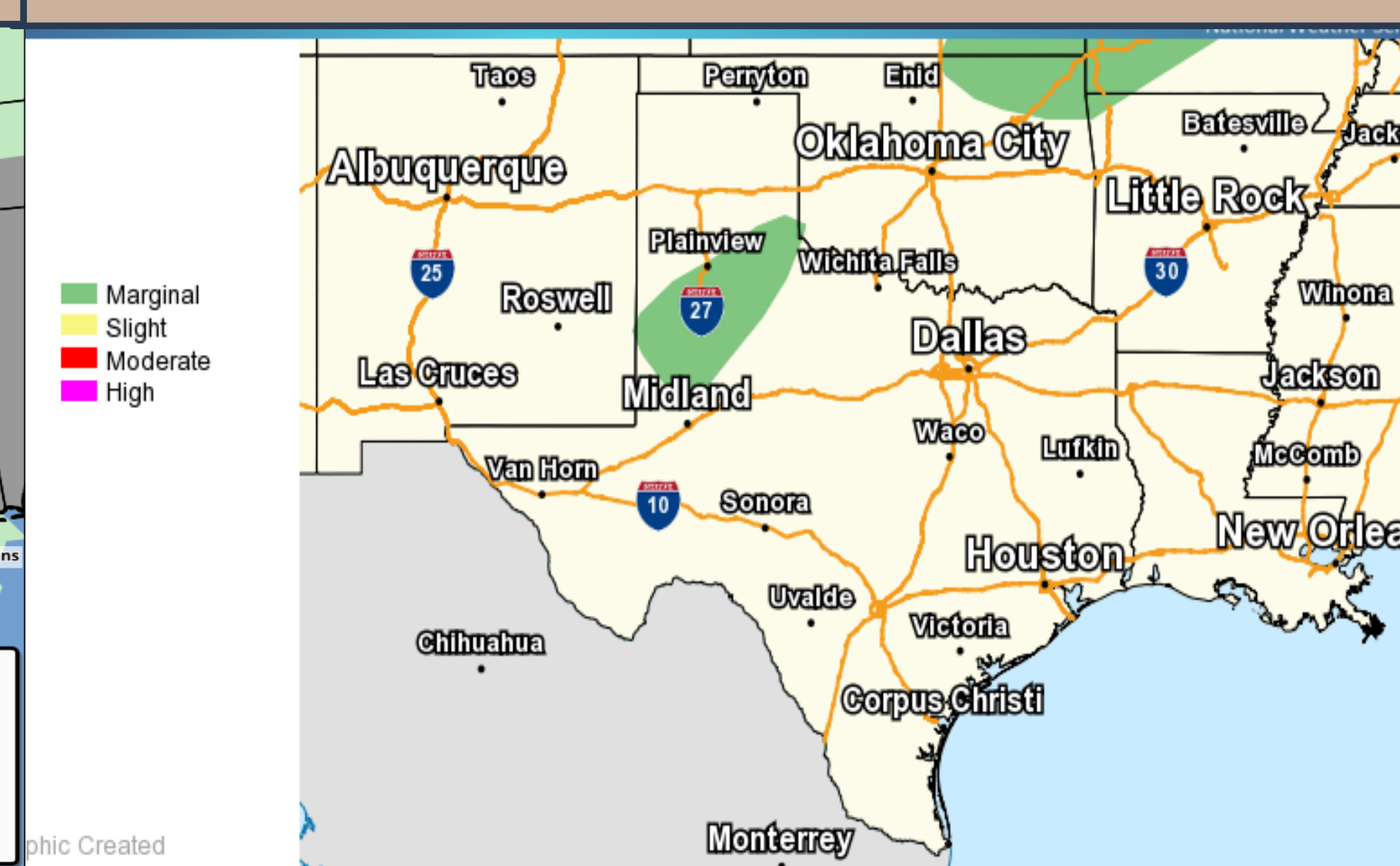
Damaging winds/hail are the primary threats.

Isolated heavy rain/flash flooding possible in the TX South Plains and NE OK.

Severe Weather Outlook



Excessive Rainfall Outlook



Tomorrow's Weather



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Forecast Chart

Forecast Rainfall

Isolated strong to severe storms possible in W OK into the TX Panhandle late afternoon and evening.

Damaging winds/hail are the primary threats.

Isolated heavy rain/flash flooding possible in W OK into the TX Panhandle.

Severe Weather Outlook

Excessive Rainfall Outlook

Saturday's Weather



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Forecast Chart

Forecast Rainfall

Areas of heavy rain/flash flooding possible for much of OK into portions of NW & WTX.

Isolated strong to severe storms possible in NW & WTX into SE NM and SW OK.

Damaging winds/hail are the primary threats.

Severe Weather Outlook

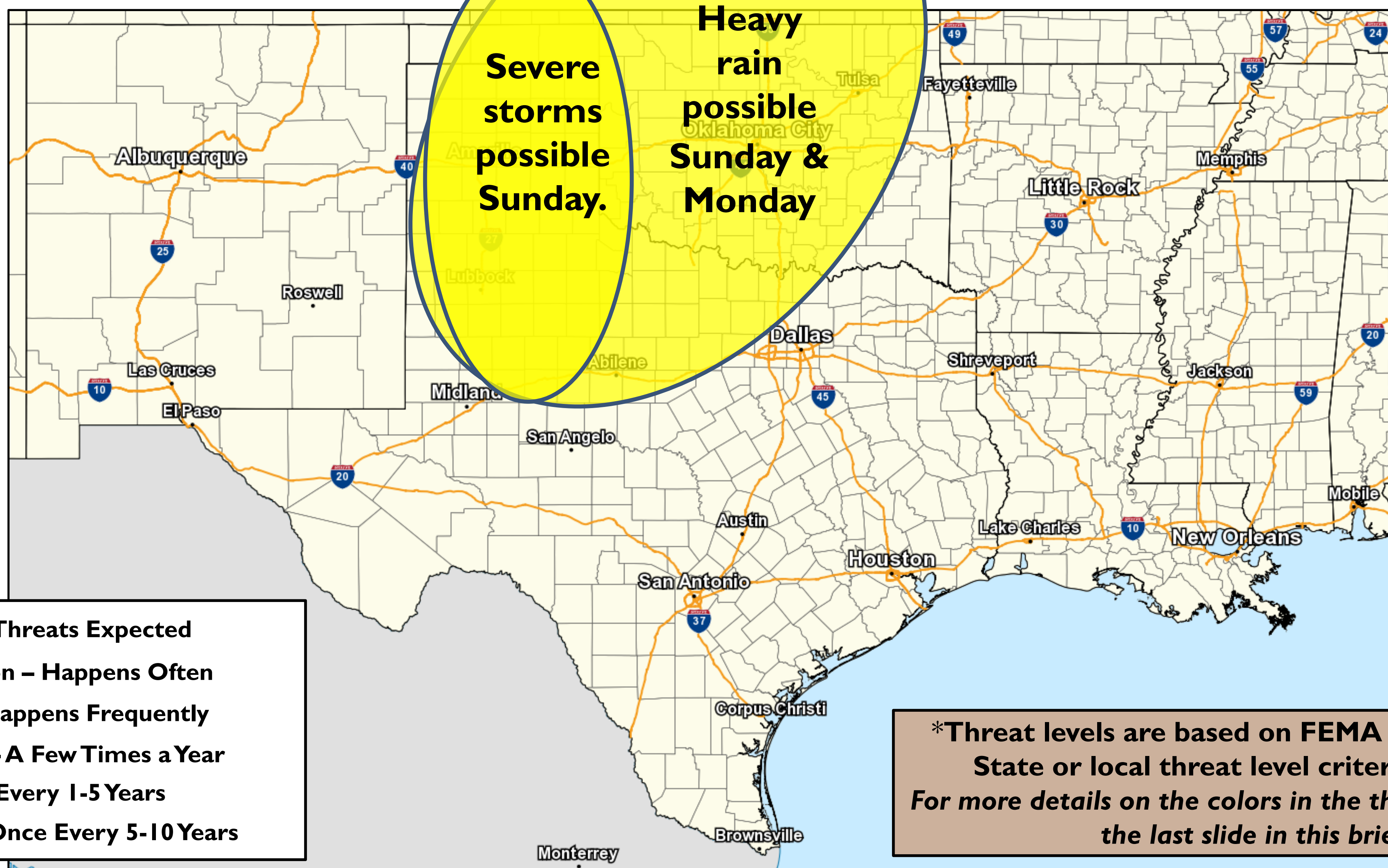
Excessive Rainfall Outlook

Days 4-5 Weather Hazards

Sunday - Monday



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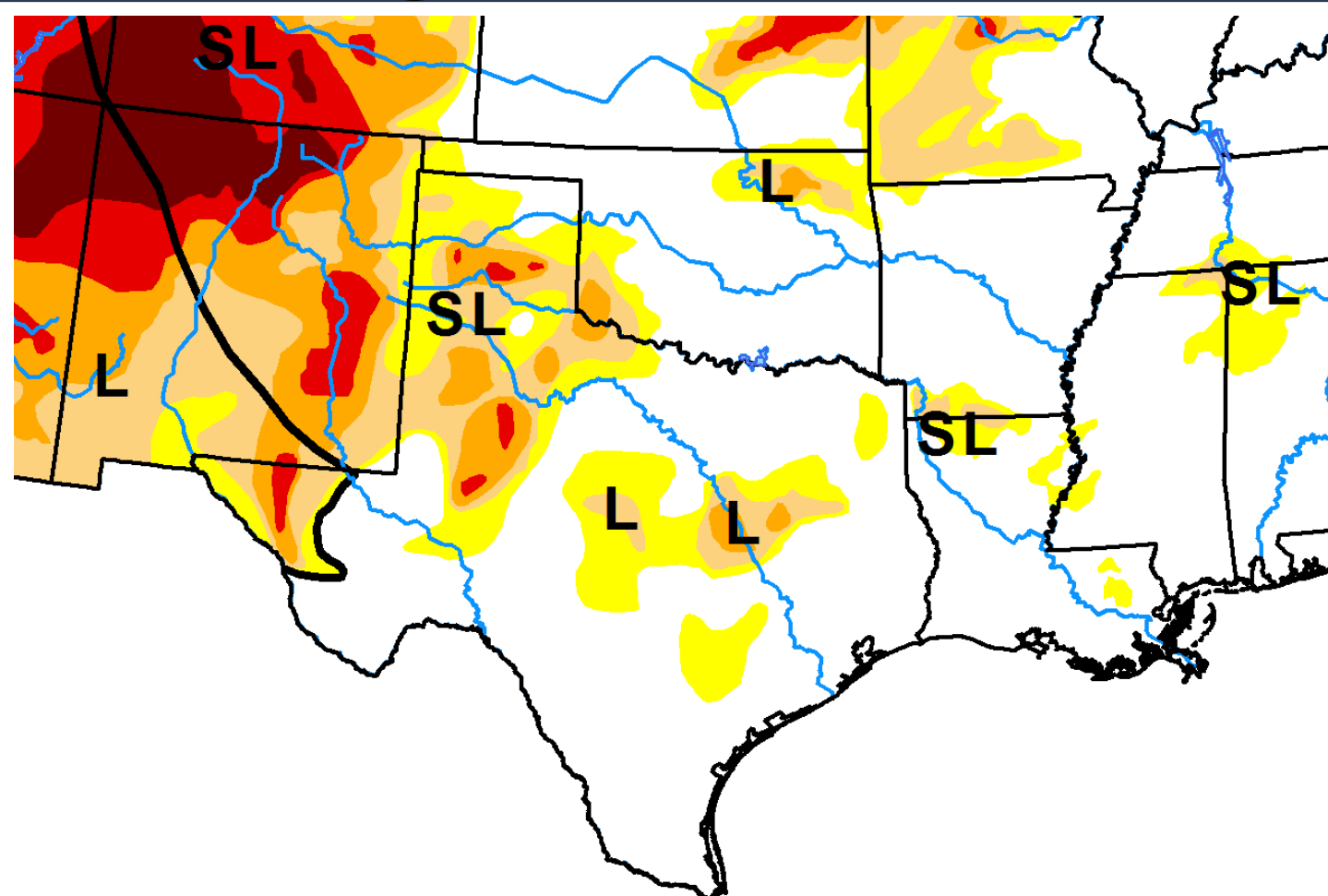
Drought Monitor (Released October 4, 2018)



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Data valid as of 7am CDT, Tuesday, October 2, 2018

Drought Monitor

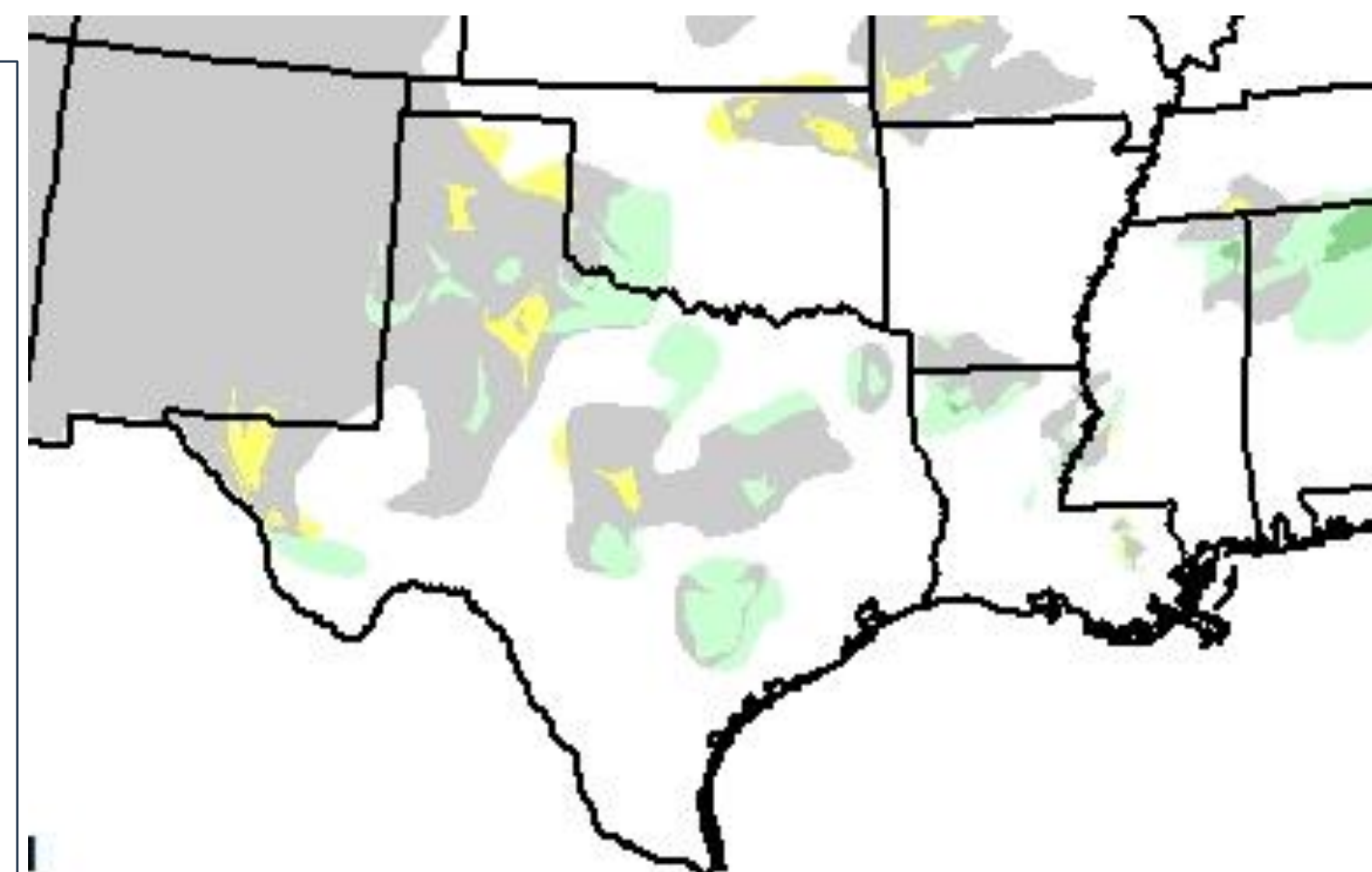


Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

One Week Change in Drought

- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

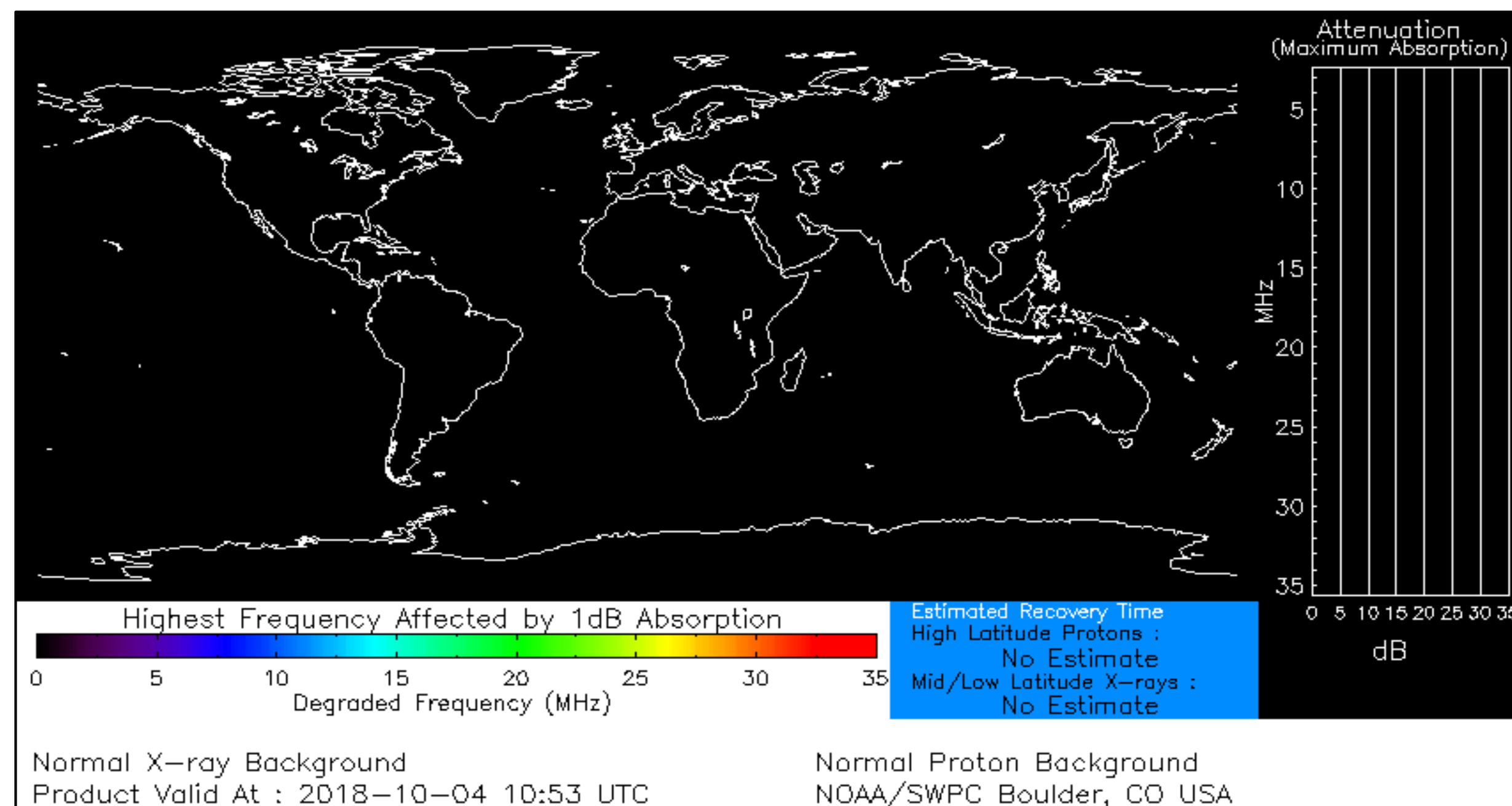
State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
Oklahoma	0.00%	0.00%	8.51%	0.00%
Texas	1.04%	0.96%	6.84%	0.00%
New Mexico	32.03%	31.84%	57.73%	0.00%

Space Weather 3-Day Forecast



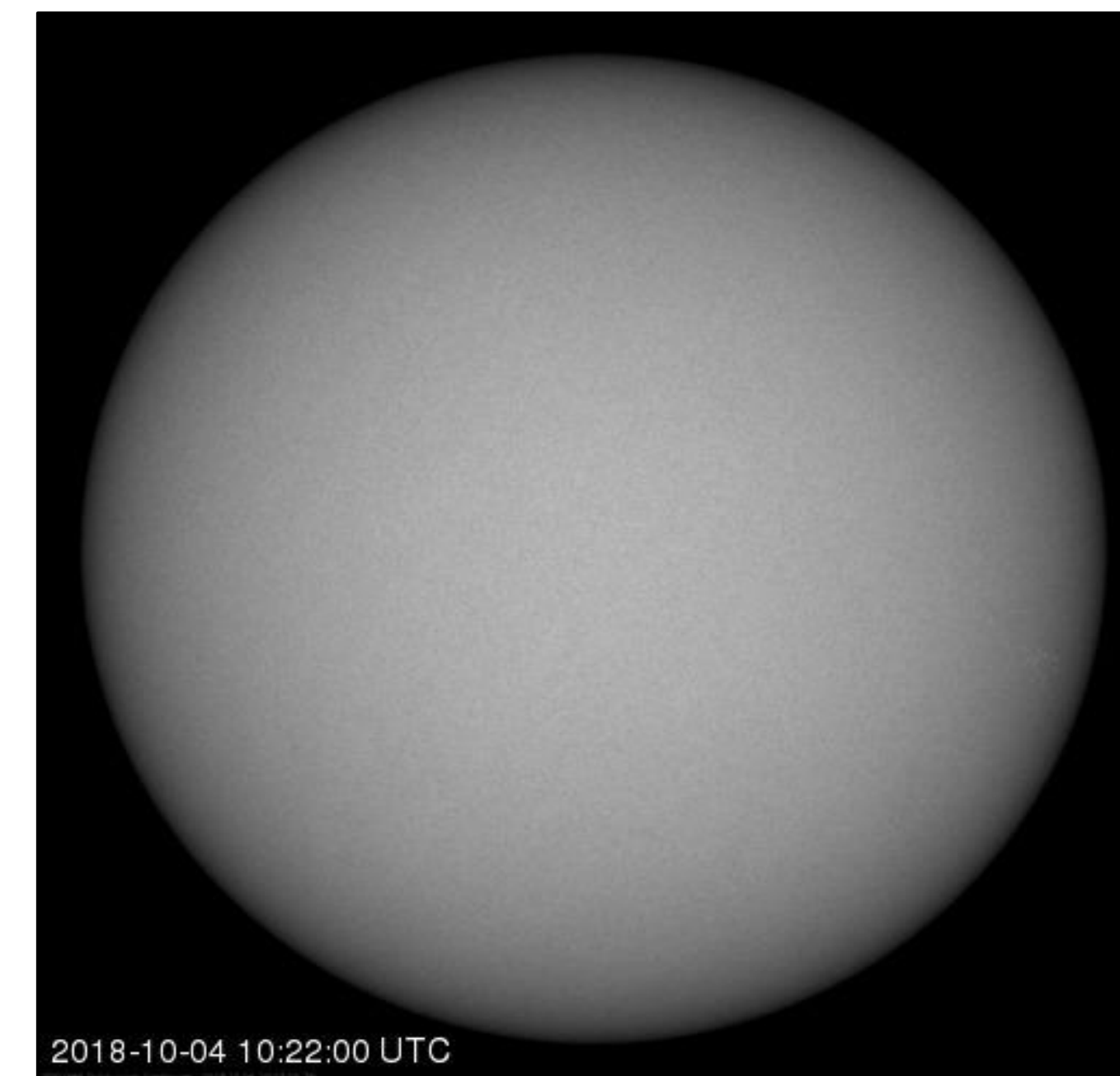
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	Thursday	Friday	Saturday
Geomagnetic Storms	Quiet to Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a
Description of the Space
Weather Storm Scales](#)

[Click here for the Latest
3-Day Space Weather
Forecast Text](#)





For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov